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14. The method of claim 13 wherein the continuous coating method comprises passing the wire through the solution at a substantially constant speed.

15. The method of claim 12 wherein the hydrogel coating layer is swollen with an aqueous fluid prior to fabricating the coated wire into a stent.

16. The method of claim 12 wherein the hydrogel coating layer has an average dry coating thickness of about 0.01 micrometer to about 25 micrometers.

17. The method of claim 12 wherein the thickness of the hydrogel coating layer has a relative standard deviation of no greater than about 10 percent.

18. A method for delivery of a biologically active agent to the interior of a body lumen comprising:

providing a metal wire;

applying to the wire a solution that includes a solvent, a water soluble polymer in the solvent, and a biologically active agent dispersed in the solvent;

evaporating the solvent to provide a polymeric coating on the wire;

crosslinking the polymeric coating to provide a hydrogel coating layer on the wire;

fabricating the coated wire into a cylindrical, radially expandable stent body;

introducing the stent body transluminally into a selected portion of the body lumen; and

radially expanding the stent body into contact with the body lumen.

19. A method for delivery of a biologically active agent to the interior of a body lumen comprising:

- providing a metal wire;
- applying to the wire a solution that includes a solvent and a water soluble polymer in the solvent;
- evaporating the solvent to provide a polymeric coating on the wire;
- crosslinking the polymeric coating to provide a hydrogel coating layer on the wire;
- fabricating the coated wire into a cylindrical, radially expandable stent body;
- applying a biologically active agent to the hydrogel coating layer;
- introducing the stent body transluminally into a selected portion of the body lumen; and
- radially expanding the stent body into contact with the body lumen.

20. A method of modifying cellular response in a body lumen to a disease, injury, or foreign body, comprising:

- providing a metal wire;
- applying to the wire a solution that includes a solvent, a water soluble polymer in the solvent, and a biologically active agent dispersed in the solvent;
- evaporating the solvent to provide a polymeric coating on the wire;
- crosslinking the polymeric coating to provide a hydrogel coating layer on the wire;
- fabricating the coated wire into a cylindrical, radially expandable stent body;
- introducing the stent body transluminally into a selected portion of the body lumen;
- radially expanding the stent body into contact with the body lumen;
- and

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controllably releasing the biologically active agent into the body lumen.

21. A method of modifying cellular response in a body lumen to a disease, injury, or foreign body, comprising:
- providing a metal wire;
 - applying to the wire a solution that includes a solvent and a water soluble polymer in the solvent;
 - evaporating the solvent to provide a polymeric coating on the wire;
 - crosslinking the polymeric coating to provide a hydrogel coating layer on the wire;
 - fabricating the coated wire into a cylindrical, radially expandable stent body;
 - applying a biologically active agent to the hydrogel coating layer;
 - introducing the stent body transluminally into a selected portion of the body lumen;
 - radially expanding the stent body into contact with the body lumen;
 - and
 - controllably releasing the biologically active agent into the body lumen.